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(71) Applicant (for all designated States except US): **QUEEN MARY & WESTFIELD COLLEGE** [GB/GB]; University of London, London E1 4NS (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COIMBRA, Miguel** [PT/PT]; Rua Clube dos Caçadores, 322, P-4430-057 Vila Nova de Gaia (PT). **DAVIES, Michael, Evan** [GB/GB]; 21 Abercrombie Street, Battersea, London SW11 2JB (GB).

(74) Agent: **HARDING, Richard, Patrick**; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford Oxfordshire OX4 2RU (GB).

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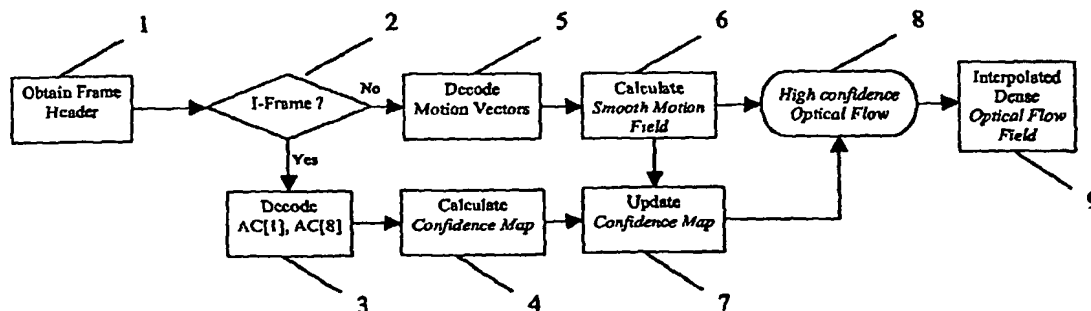
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(54) Title: OPTICAL FLOW ESTIMATION METHOD



(57) Abstract: The optical flow in an image is estimated using only parameters extracted directly from a compressed video data stream, substantially eliminating the need to decode the video data stream for this purpose. Coefficients extracted from the compressed video data stream are used to establish a confidence map (4) indicative of the edge strength within the image data and hence the accuracy of the associated motion field. A smooth motion field is generated from the motion vectors (6) inherent in the compressed video data stream. The motion field is then used to update the confidence map (7) between frames, providing an estimate of the optical flow.